

Please amend Claims 1, 18 and 19 as follows:

CLAIMS

Claim 1 (Currently Amended): A fixation device at least partially implantable into tissue, comprising:

a shaft having an outer face;

a threaded portion wound around the outer face and forming a helical groove, at least a part of the threaded portion being implantable into tissue, the threaded portion comprising:

a first face having:

a first end portion in curved contact with the outer face;

a second end portion opposite the first end portion;

a second face having:

a third end portion in curved contact with the outer face;

a fourth end portion opposite the third end portion;

a third face, the third face being coupled to the second end portion and the fourth end portion and being substantially parallel with the outer face; and

at least one transverse slot resulting in separate thread segments whereby the outer face of the shaft is exposed between adjacent thread segments.

Claim 2 (Original): The fixation device according to Claim 1, wherein third face is in curved contact with at least one of the second end portion and the fourth end portion.

Claim 3 (Original): The fixation device according to Claim 1, wherein the third face contacts the second end portion at a first point, and the third face contacts the fourth end portion at a second point.

Claim 4 (Original): The fixation device according to Claim 1, wherein an angle formed by the plane of the outer face and the plane of the second face is between substantially 85 degrees and substantially 125 degrees.

Claim 5 (Original): The fixation device according to Claim 1, wherein an angle formed by the plane of the outer face and the plane of the first face is between substantially 95 degrees and substantially 140 degrees.

Claim 6 (Original): The fixation device according to Claim 1, wherein a distance between the plane of the outer face and the plane of the substantially parallel third face is between substantially 0.25 millimeters and substantially 3 millimeters.

Claims 7 and 8: (Canceled)

Claim 9 (Original): The fixation device according to Claim 1, wherein the shaft and threaded portion form a dental implant, and wherein a distance between the first face, at a region forming the curved contact between the first end portion and the outer face, and the second face, at a region forming the curved contact between the third end portion and the outer face, is between approximately 0.20 millimeters and 2.00 millimeters.

Claim 10 (Original): The fixation device according to Claim 1, wherein the shaft and threaded portion form an orthopedic implant, and wherein a distance between the first face, at a region forming the curved contact between the first end portion and the outer face, and the second face, at a region forming the curved contact between the third end portion and the outer face, is between approximately 0.20 millimeters and 6.00 millimeters.

Claim 11 (Original): The fixation device according to Claim 1, wherein the shaft and threaded portion form a dental implant, and wherein a distance between the third face and the outer face is between approximately 0.25 millimeters and 3.00 millimeters.

Claim 12 (Original): The fixation device according to Claim 1, wherein the shaft and threaded portion form an orthopedic implant, and wherein a distance between the third face and the outer face is at least approximately 0.25 millimeters.

Claim 13 (Original): The fixation device according to Claim 1, wherein the shaft and threaded portion form a dental implant, and wherein a distance between the second end portion and the fourth end portion on an adjacent thread is between approximately 0.30 millimeters and 3.00 millimeters.

Claim 14 (Original): The fixation device according to Claim 1, wherein the shaft and threaded portion form an orthopedic implant, and wherein a distance between the second end

portion and the fourth end portion on an adjacent thread is between approximately 0.30 millimeters and 8.00 millimeters.

Claim 15 (Original): The fixation device according to Claim 1, wherein the shaft and threaded portion form a dental implant, and wherein a length of the third face is between approximately 0.25 millimeters and 3.00 millimeters.

Claim 16 (Original): The fixation device according to Claim 1, wherein the shaft and threaded portion form an orthopedic implant, and wherein a length of the third face is between approximately 0.25 millimeters and 6.00 millimeters.

Claim 17: (Canceled)

Claim 18 (Currently Amended): A dental implant at least partially implantable into oral tissue, comprising:

- a shaft having an outer face;

- a threaded portion wound around the outer face and forming a helical groove, at least a part of the threaded portion being implantable into the oral tissue, the threaded portion comprising:

- a first face having:

- a first end portion in curved contact with the outer face;

- a second end portion opposite the first end portion;

- a second face having:

a third end portion in curved contact with the outer face;  
a fourth end portion opposite the third end portion;  
a third face, the third face being coupled to the second end portion and the fourth end portion and being substantially parallel with the outer face; and  
at least one transverse slot resulting in separate thread segments whereby the outer face of the shaft is exposed between adjacent thread segments.

Claim 19 (Currently Amended): A fixation device at least partially implantable into tissue, comprising:

a shaft having an outer face;  
a plurality of fin sections disposed along at least a portion of the length of the [other] outer face, each of the fin sections being coaxial with the shaft and having a diameter greater than the diameter of the outer face at the disposed location, each of the fin sections comprising:  
a first face having:  
a first end portion in curved contact with the outer face;  
a second end portion opposite the first end portion;  
a second face having:  
a third end portion in curved contact with the outer face;  
a fourth end portion opposite the third end portion;  
a third face, the third face being coupled to the second end portion and the fourth end portion and being substantially parallel with the outer face; and  
at least one transverse slot resulting in separate thread segments whereby the outer face of the shaft is exposed between adjacent thread segments.

Claim 20 (Original): The implant device according to Claim 19, wherein the shaft and the plurality of fin sections form a dental implant.

Please add the following new claims:

Claim 21 (New): The fixation device according to Claim 1, the second face being substantially flat and substantially perpendicular with the third face.

Claim 22 (New): The fixation device according to Claim 21, the second face being substantially perpendicular with the outer face.

Claim 23 (New): A fixation device at least partially implantable into tissue, comprising:  
a shaft having an outer face;  
a threaded portion wound around the outer face and forming a helical groove, at least a part of the threaded portion being implantable into tissue, the threaded portion comprising:

a first face having:

a first end portion in curved contact with the outer face;

a second end portion opposite the first end portion;

a second face being substantially flat and substantially perpendicular with the outer face, the second face having:

a third end portion in curved contact with the outer face;

a fourth end portion opposite the third end portion,; and

a third face, the third face being coupled to the second end portion and the fourth end portion and being substantially parallel with the outer face, wherein the third face is substantially perpendicular with the second face.

Claim 24 (New): The fixation device of Claim 23, wherein an angle formed by the plane of the outer face and the plane of the first face is between substantially 95 degrees and substantially 140 degrees.

Claim 25 (New): The fixation device of Claim 23, wherein the helical groove is substantially flat.

Claim 26 (New): The fixation device of Claim 25, wherein an angle formed by the plane of the helical groove and the plane of the first face is between substantially 95 degrees and substantially 140 degrees.

Claim 27 (New): The fixation device of Claim 23, wherein the second end portion of the first face is in curved contact with the third face.

Claim 28 (New): The fixation device of Claim 23, wherein the fourth end portion of the second face is in curved contact with the third face.

Claim 29 (New): The fixation device of Claim 23, wherein shaft is tapered.